

IN THE CLAIMS

This listing of claims replaces all prior listings and versions of the claims in the present application.

Listing of Claims:

Claims 1-6 (Canceled).

Claim 7 (New): An elevator comprising:

a cage vertically moving in a case moving space arranged in an elevator shaft, said cage having a pair of right and left cage-side sheaves;
a counterweight vertically moving in a counterweight moving space arranged behind the cage moving space in the elevator shaft and arranged near one of right and left side walls of the cage, said counterweight having a counterweight-side sheave;
a pair of right and left suspending sheaves disposed above the counterweight moving space;

a diverting sheave disposed in a top part of a lateral space arranged beside the cage moving space in the elevator shaft and arranged near the other of right and left side walls of the cage;

a first upper sheave disposed behind the diverting sheave;
a second upper sheave disposed in a top part of a rear space arranged behind the cage moving space in the elevator shaft and disposed near the other of right and left side walls of the cage;

a hoist having a drive sheave disposed below the second upper sheave;
a main rope suspending the cage through the pair of right and left cage-side sheaves, having a first end fastened to a top part of the elevator shaft, successively wound around the

diverting sheave, the first upper sheave, the drive sheave, the second upper sheave, one sheave of the right and left suspending sheaves, the counterweight-side sheave, a remaining sheave of right and left suspending sheaves, and having a second end fastened to the counterweight.

Claim 8 (New): A cage vertically moving in a cage moving space arranged in an elevator shaft, said cage having a pair of right and left cage-side sheaves, which comprises; a counterweight vertically moving in a counterweight moving space arranged behind the cage moving space in the elevator shaft, said counterweight having a pair of right and left counterweight-side sheaves;

a suspending sheave disposed above the counterweight moving space and disposed near one of right and left side wall of the cage;

a first diverting sheave disposed in a top part of a lateral space arranged beside the cage moving space in the elevator shaft and disposed near a second wall of said right and left side wall of the cage;

a second diverting sheave disposed behind and below the first diverting sheave;

first and second upper sheaves disposed in a top part of a rear space arranged behind the cage moving space in the elevator shaft and disposed near the other of right and left side walls of the cage;

a hoist having a drive sheave disposed below the first and second upper sheaves;

a main rope suspending the cage through the pair of right and left cage-side sheaves, having a first end fastened to an upper part of the elevator shaft, successively wound around the first diverting sheave, the second diverting sheave, the first upper sheave, the drive sheave, the second upper sheave, the pair of right and left counterweight-side sheaves, and the suspending sheave, and having a second end fastened to the counterweight.

Claim 9 (New): The elevator according to claim 7 or 8, further comprising a controller disposed above the hoist.

Claim 10 (New): The elevator according to claim 7 or 8, wherein the cage-side sheaves comprise a first cage-side sheave and a second cage-side sheave disposed at opposite side positions, respectively, on a bottom, surface of the cage, and a part of the main rope wound around the first cage-side sheave has a free end fastened to a fixed part in an upper part of the elevator shaft.